

## REMARKS

Claims 1-43, 45, 46, and 48-73 are pending. Claims 1-11, 13-22, 25-39, 41, and 43, 45, 46, and 48-55 have been rejected, and claims 12, 23, 24, and 40 have been objected to. Claims 56-73 have been added. Claim 42 has been withdrawn from consideration.

Applicant thanks the Examiner for the indication of allowable subject matter in claims 12, 23, 24, and 40. In response, Applicant has placed each of these claims in independent form.

Claims 1-11, 13-22, 25-39, 41, 43, 45, 46, and 48-52 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit et al. (U.S. Patent No. 5,999,990) in view of Savitzky (U.S. Patent No. 5,337,412). Claims 53-55 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit et al. in view of Savitzky, and further in view of Kwon et al. (U.S. Patent No. 6,151,328).

Each of the independent claims (i.e., claims 1, 13, 29, 37, 43, and 46) has been amended to recite that “each kernel is designed to perform a specific processing function,” and these kernels may be configured for different parameters dynamically, as further recited in dependent claims 56-61. For example, a CGU kernel is always used for code generation, and the CGU can be configured to generate a different code by changing CGU’s parameters. On the other hand, Sharrit’s kernels are generic and are dynamically configured to perform varying processing functions. See for example, column 5, lines 33-36, and Figs. 2, 3, and 4. Thus, claims 1-11, 13-22, 25-39, 41, 43, 45, 46, and 48-61 are patentable over the applied prior art for at least these reasons.

Applicant has added new dependent claims 56-73 to further define the invention. These new claims are patentable by virtue of their dependence on patentable claims, and also because they recite features not taught or suggested by the applied prior art.

In view of the above, Applicant believes the pending application is in condition for allowance.

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